Subject: Re: advanced image enhancement
Posted by David Fanning on Mon, 14 Oct 2002 15:30:06 GMT

David Oesch (oesch@giub.unibe.ch) writes:

> Is there any other possibility to enhance the content of an bytarr
> image? I tried BYTSCL and HIST_EQUAL, but ?m actually lokking for a Root
> enhancement, also known as a logarithmic transform, which particularly
> effective with images whose grey level distribution exhibits right
> skewness. The root enhancement stretches the dynamic range of the low
> end of the image while compressing its high end. It tends to lend an
> overall brightening to the resultant image.Has anyone implemented such
> an enhancement in IDL?

I don't have this particular algorithm coded up, but
you might find XSTRETCH handy for enhancing particular
sections of the image:

  http://www.dfanning.com/programs/xstretch.pro

At the very least, it might give you some ideas.

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155